



E-matic

E4 Series User Manual

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1.0 Introduction

1.1 Foreword

Thank you for purchasing this player. Please read this manual carefully before using the product. Specifications and software updates are subject to change without notice. The player pictured in this manual may differ from yours, but the information in this manual will still apply.

Please visit our website for more information: www.Ematic.us

1.2 Package Contents

Your player comes with the following items:

- The player
- A Stylus
- A USB cable
- A cleaning cloth
- One pair of stereo headphones
- This user manual
- A quick-start guide

1.3 Warnings

- Do not use the product in extreme temperatures, or dusty or wet environments.
- Do not leave the product in direct sunlight.
- Only insert or remove microSD/TF cards when the unit is turned off.
- Do not disconnect the player and USB from your computer without first ensuring a "safe removal" as this may damage the player. See pg. 4.
- Do not open or disassemble the player as this will void the warranty.
- Handle the player with care to prevent its physical damage.
- Protect the player from static discharge.

1.4 Computer Requirements

Virtually any computer and operating system that is able to use USB storage devices can be used to copy files to and from the player. These include Windows[®], Mac OS X[®], and Linux[®].

The following, however, is required in order to use the included video conversion software:

- Windows 2000/ME/XP/Vista
- An 800MHz or faster CPU
- USB port
- CD-ROM drive
- At least 50MB free hard disk space

1.5 Layout of the Player

BASIC OPERATION



- 1. TF CARD SLOT
- 2. MENU & EXIT
- 3. RESET BUTTON
- 4. HEADPHONE

- 5. USB INPUT
- 6. ON/OFF SWITCH
- 7. CAMERA & ON/OFF



If the screen freezes, this device can be rebooted by using a pin to press the RESET at the back of the player



TO START YOUR DEVICE, PRESS AND HOLD THE CAMERA BUTTON UNTIL THE SCREEN TURNS ON; OR YOU CAN SLIDE THE ON/OFF SWITCH TO THE RIGHT & HOLD UNTIL SCREEN TURNS ON.



TO LOCK/UNLOCK YOUR DEVICE, SLIDE THE ON/OFF SWITCH UNTIL A LOCKED/UNLOCKED IMAGE IS DISPLAYED



IN VIDEO OR MUSIC MODE, DOUBLE-TAP A SONG OR MOVIE TO BEGIN PLAYBACK

Part I: Computer Operations

2.0 Connecting and Charging the Player

2.1 Connecting and Disconnecting the Player from Your Computer

Turn on the player and use the included USB cable to **connect** it to your computer. Plug the small end of the USB cable into the player, and the large end of the cable into the computer.

The **first time** you connect the player to your computer; your computer will detect it and automatically install any necessary drivers. When it has finished, the player will appear in *My Computer* as *Removable Disk* or *USB Disk Device*.

To safely **disconnect** the player from your computer, click the green arrow in the system tray (the area by the clock on your task bar), which will display a list of attached USB devices. Click the player in the list. Windows will display a message when it is safe to remove the player.

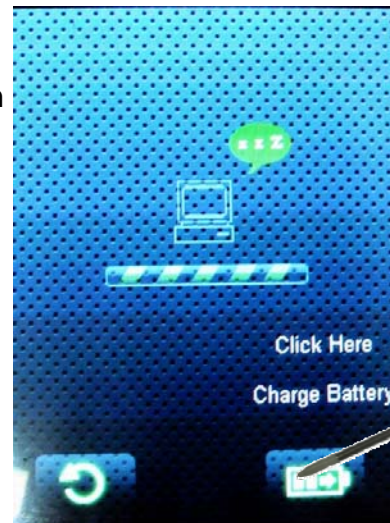


Any USB device that stores data (e.g. flash drives, cameras, and media players) should always be disconnected from your computer using this method!

2.2 Charging the Battery

The player has a built-in battery that must be charged before the player can be used.

1. Turn on the player.
2. Connect your player to a turned-on computer via the USB cable. Charging will begin after using the stylus to press the battery button.



3. Let the player charge for **4 hours**.

3.0 Video Conversion

3.1 Installing Video Conversion Software

Before watching videos on your new player, they must be first converted to a format recognized by the player. This conversion can be done with Windows software that came included with your player. Follow these steps to install the software:



1. Place the included CD into your computer's disc drive.
2. Click *Start > My Computer*, and then click the drive corresponding to your disc drive.
3. Double-click *Setup.exe* to perform the installation.
4. Complete the installation as directed by the installation wizard. If Windows asks you whether to allow the installation, click *ALLOW*.

3.2 Converting Video

To play videos on your player, you must (a) have some videos on your computer, (b) convert them to the format supported by your player if necessary, and then (c) copy the video files to your player.

Note: You cannot convert copy-protected DVDs.

Follow these steps to convert video files:

1. Connect your player to your computer using the USB cable if you wish to save directly to the player.
2. Run the conversion software by clicking *Start > Programs > Multimedia Player Utilities > Video Converter*.
3. Choose a folder in which to save the converted files by clicking the red icon beside the *Output File* field.

You can save the converted files to your computer and copy them to the player later, or save them directly to the player itself. To save the converted files directly to the player, save to the player's *VIDEO* folder.

4. Build a list of videos to convert. Click the green icon next to the *Input File* field, navigate your folders, and select one or more videos to convert. (Note that the program will not convert from *any* video format.) Once a video is selected, it will be added to a file list at the

bottom of the window. Repeat the Add File process until you have completed your list of videos to convert.

5. Once the list is complete, click the *Begin* button (🚀) to start converting and saving the list of videos. A message will appear to indicate when the list is complete.

3.3 Using Other Conversion Software

While the included software converts numerous formats to the format required by the player, there may be some that it cannot convert, such as MP4 files. However, you can find other free software on the Internet that can do the job. For software that specifically converts MP4 files, follow these steps:

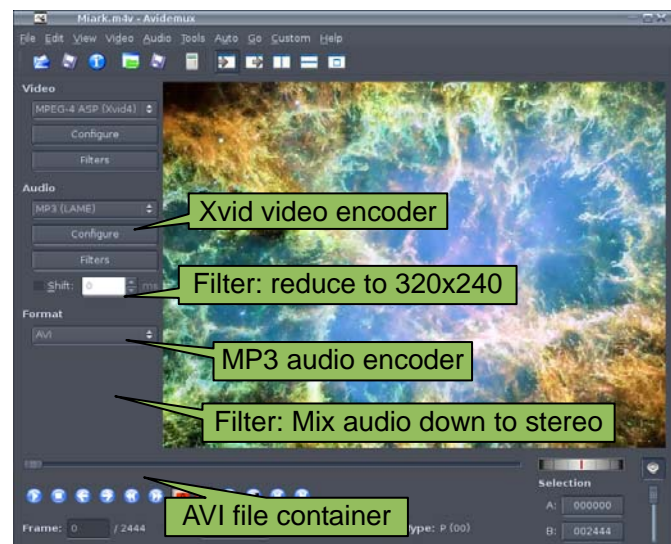
1. Using your favorite web browser, visit www.download.com.
2. Enter the following search phrase: pazera mp4 avi
3. Click *Download Now* on the row that reads *Pazera Free MP4 to AVI Converter*.
4. Once the download is complete, unzip the file.
5. To run the program, enter the new unzipped folder and double-click *mp4toavi.exe*.
6. Run the program and make sure that when you convert videos that you configure a resolution of 320x240.

3.4 Converting Video in Linux

While the player does not come with conversion software for Linux, there are several free, open source programs available in Linux that can do the necessary transcoding.

The three most powerful commandline encoders are *mencoder*, *ffmpeg*, and *transcode*. To make things easier, you can use one of the many available front-ends, although the simplest may be *avidemux* (pictured).

Regardless of the tool you use, transcode videos as follows:



- Use AVI as the file container.
- Encode video using the Xvid codec.
- Resize video to 320 x 240 pixels or smaller.
- Encode the audio using an MP3 codec.
- Reduce the audio to 2 channels if the original was more, such as 5.1.

There may be other transcoding “formulas” that will produce videos that are compatible with the player. Also note that there are some formats that will work without conversion. For a full list of supported formats, see “Technical Specifications” on pg. 36.

Note: Ematic does not provide support to Linux users; however, you can get help from the Linux community on the Internet via information sites, forums, and e-mail lists.

4.0 Copying Files

4.1 Copying Media Files to your Player

To listen and/or view media on your player, you must first copy the files from your computer to the player. Before copying files to your player, you must make certain that the files you wish to enjoy on your player are, in fact, supported by the player. See the full list of supported formats under “Technical Specifications” on page.36. Read about video conversion on page. 5.



Follow these steps to copy media files under Windows:

1. Switch the player on.
2. Connect the player to your computer with the USB cable.
3. Open a window to the player: Double-click *My Computer*, and then double-click the drive that corresponds to the player. It will probably be labeled *Removable Disk*.
4. Using the same process, open a window to your music, video, or other media files.
5. Drag-and-drop media files from your computer's window to the player's window. Media files must be copied to the correct folders:

- ◆ Music files are copied to the *MUSIC* folder. You can use subfolders.
 - ◆ Video files are copied to the *VIDEO* folder.
 - ◆ Image files are copied to the *PICTURES* folder.
 - ◆ E-book files are copied to the *TXT* folder.
6. Disconnect the player from the computer using the safe removal method on page. 4.

4.2 Using Windows Media Player's[®] Sync Function

If you sync your player with Windows Media Player, follow these steps when initially syncing the device:

1. Turn the player ON.
2. Connect the player to your computer.
3. Run Windows Media Player and then click the tiny down arrow on the Sync tab.
4. Click *USB DISK DEVICE* and then *Setup Sync* on the submenu.
5. If you want Windows to automatically sync your player, then select *Sync this device automatically*, otherwise clear the box, and click *Finish*.
6. Highlight the files you want transferred to your device and drag them into the *Sync List* column.
7. Click *Start Sync* to transfer the files. When the process is complete, you should be able to see the song files on the player through *My Computer*.

Note: See the full list of supported formats under “Technical Specifications” on page 36 to determine which synced songs will be supported by the player.

5.0 Expanding the Player's Storage

5.1 Preparing MicroSD or “TF” Cards for Use

You can expand the player's capacity by adding a MicroSD card (also known as a TransFlash or TF card) with a capacity of up to 8GB. First, however, it must be prepared for use by the player. Follow these instructions to prepare the card:

1. Turn the player off.
2. Insert a microSD/TF card into the player.
3. Turn on the player.
4. Select *Setting* from the Mode Selector.
5. Select *Player Configure* from the menu.
6. Select *Format Card* from the next menu. The function will create the necessary folders.
7. Use the USB cable to connect the player to your computer.
8. Access your MicroSD card through *My Computer*.



When in Video, Camera, and other modes, you can access files on your microSD card. If the card is inserted there will be a “Card” directory on each menu, if you cannot see the “Card” directory, slide the bottom menu (where it displays Songs, Dir List, Albums, etc...) to left or right until you see it.

Part II: Player Operations

6.0 Basic Operations

6.1 Turning the Player On and Off

On: To turn the player on, move the player's on/off switch to the right, and then hold the button until the display turns on.
Or press the CAMERA button until the display turns on.

Off: In any working mode, hold the CAMERA key, or move the player's on/off switch to the right, and then hold the button until the display turns OFF.

By default, if the player is left idle for three minutes, it will turn itself off. Player can be configured to turn off after a different duration, or not at all. (See "Device Settings" on page 30)

The unit will also turn itself off if the battery becomes too weak.



Pay special attention to whether these instructions indicate whether to press **or** press **and hold** a button!

6.2 Understanding and Navigating Menus

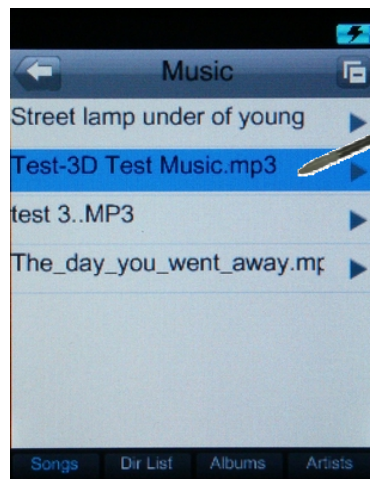
The Mode Selector

The player does many things, including playing audio and video media and shooting photos or video. To enter any of these modes, call up the *Mode Selector* by pressing the EXIT button. When the player is turned on, it displays the Mode Selector. Browse the modes with the stylus by swiping your finger left to right and vice versa, and then select a mode with the stylus or your finger by double tapping the screen.

The Mode Selector can be changed to a small icon style in the Settings mode. (See “Device Settings” on page. 30).

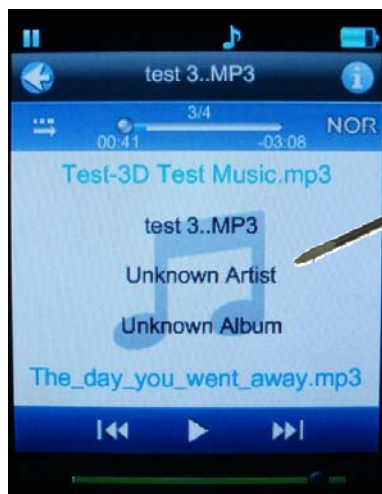


Once you have selected a review mode, (My Music, My Pictures, Video Player, E-Book), a list of your files will appear. Highlight files using the stylus, and select a file by double-tapping the stylus to screen.




Menus

Whether you are still in the file list, or looking/listening to a file, you can display a menu of file and play options by using the stylus to press the screen button (EQ, repeat or Volume).



In any menu or list, you can use the stylus to navigate the list, and select with a press to the screen button. The same is true if you descend into submenus.

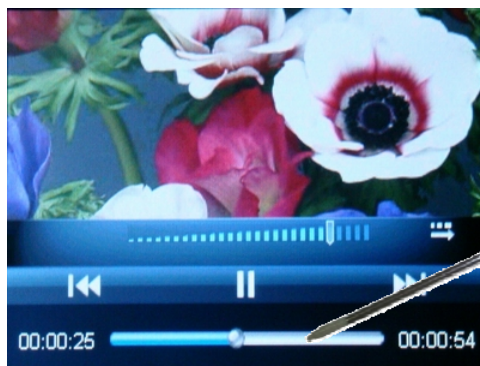
Sometimes the player will display a dialog box, asking you to confirm a change. Use the stylus to click screen button to confirm.

To back up to a previous menu, press the Exit button  on the screen. In Camera and DV Mode, the screen display in full and requires pressing the EXIT Button ("M").

In all viewing/listening modes, you can return to the Mode Selector by pressing the EXIT button.

6.3 ***Changing the Volume***

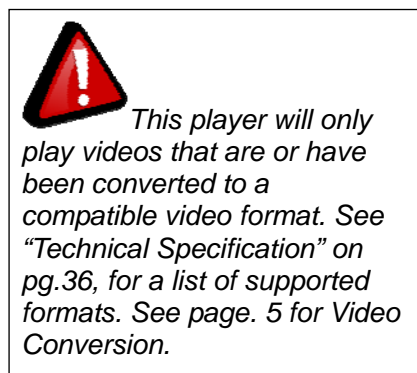
In Video Player, My Music, or Radio mode, the volume is changed as follows:



1. Use the stylus to slide the VOL bar button to change the volume.
2. In Video Mode full screen playback, double click the middle of the screen and the VOL bar will show up,

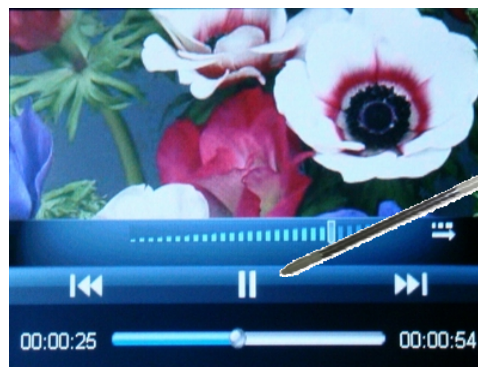
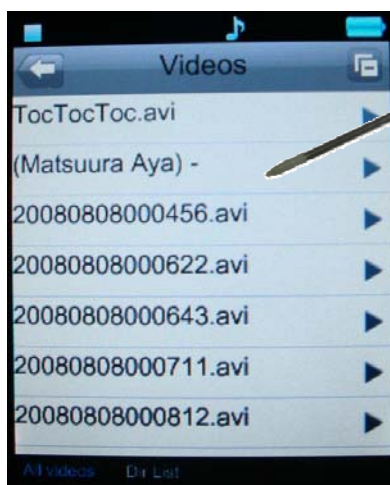
7.0 Watching Videos

7.1 Playing a Video




Use the Mode Selector to select the Video Player mode, and then select a video.

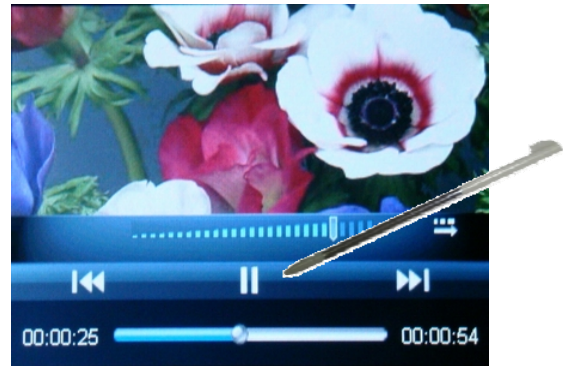
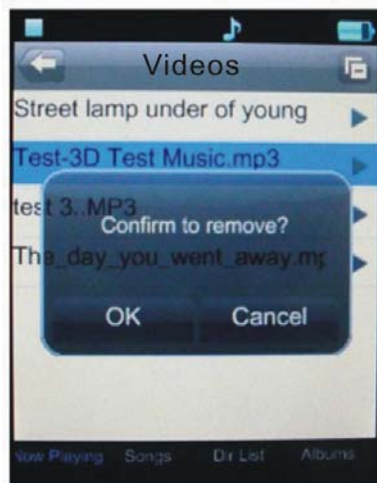
7.2 Basic Play Operations



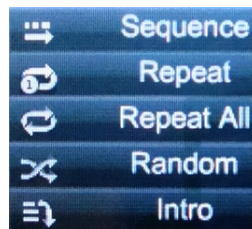
- Highlight files using the stylus, and select a file by double clicking the stylus to the screen
- In Video Mode full screen playback, double click the middle of the screen and the previous, play and next buttons will show up. Use the stylus to control Fast-forward or rewind, Play or Pause, and also change the volume.

7.3 Video Menu Commands

In the video list screen, highlight a play list with the stylus, and then click the file button . A dialog box **shows** up to confirm **removal** of a file.



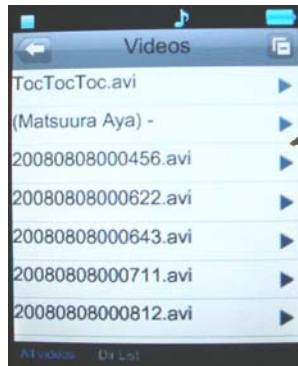
You can select a repeat mode, by double clicking on full screen video play to have the control box appear. Use the stylus to click your option on the screen.



7.4 File Menu Commands

When you are viewing a file list, you can select more list option by using stylus to slide the screen bottom folder icons, including access microSD

card content, this way you can switch between the files on the Local Memory or Card Memory.



Press the EXIT button to return to the Mode Selector.



This player will only exit by pressing the EXIT button in video play mode. No screen button provided for exit to Mode Selector.

8.0 Listening to Audio

8.1 Playing an Audio File

Use the Mode Selector to select the My Music mode, and then select an audio file to listen to.



8.2 Basic Play Operations

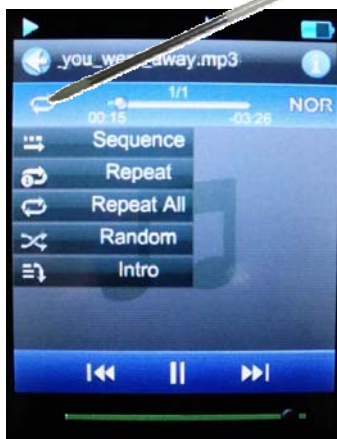


- **Pause** or **Resume** by pressing the PLAY button.
- **Skip** to the previous or next file by pressing the arrow buttons.
- **Fast-forward** or **Rewind** by holding the arrow buttons.
- Change the **volume** as described on page 13.

8.3 Audio Menu Commands

On the music playback screen, use the stylus to select the following functions:

- **Repeat** allows you to select one of many repeat patterns.
- **EQ Settings** allows you to select one of many equalizer presets.



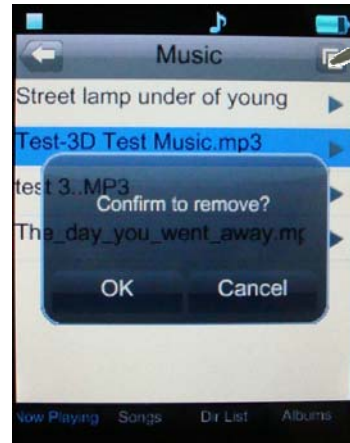
- **Information** display BitRate and SampleRate for the audio file.



- **Volume** can be adjusted from volume control bar.

On the music list screen, use the stylus to click file button, this will pop up a dialog box for remove of the file

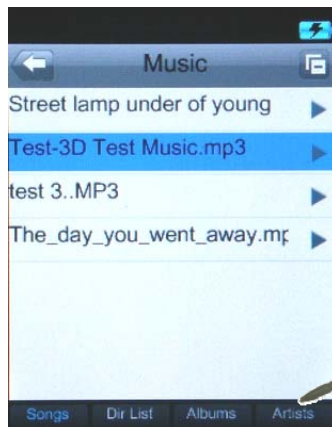
- **Remove** will delete the file.



8.4 File Menu Commands

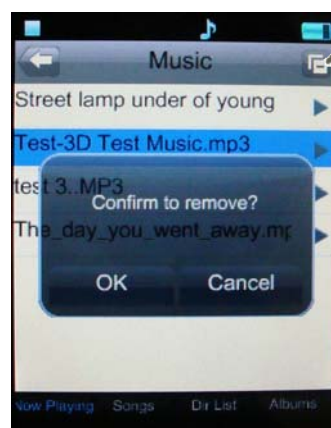
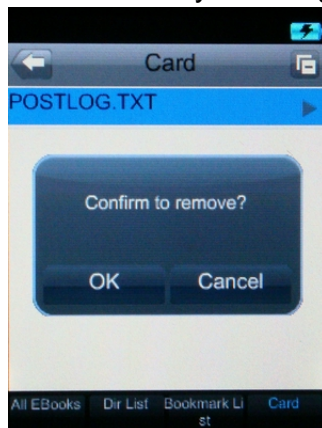
When you are viewing a file list, you can select more list options by using stylus to slide the screen bottom icons, including access microSD card content. This way you can switch between the files on the Local Memory or Card Memory.

When you are viewing the file list, the files are listed by file name. You can select alternate ways to list your audio files by using stylus to click the screen buttons at the lower part of the screen:




- **Songs** lists all your songs by filename.
- **Dir List** shows you the files stored on the internal memory

- **Artist** lists the artists of your songs. Select an artist to listen to all the songs by that artist.
- **Album** lists all the albums represented by your music collection. Select an album to listen to all the songs from that album.
- **Genre** lists songs based on their genre ID3 tag. Select a genre to listen to all your songs that are tagged with that genre.
- **Record List** lists all the audio you created with the player in Record mode.
- **Card** lists all your songs in the microSD card.



- **File screen button** allows you to delete selected songs.

Press the  button on the screen to return to the Mode Selector.

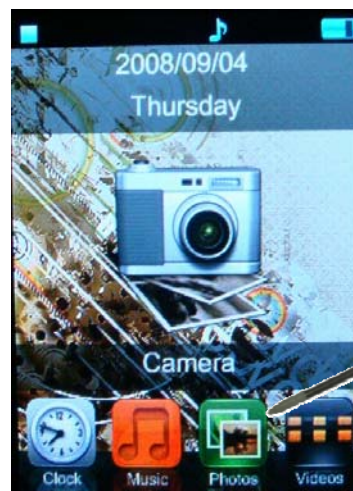
9.0 Viewing Pictures

9.1 Entering My Picture Mode

Use the Mode Selector to enter My Picture mode, and then select a photo from the file list. (See “Understanding and Navigating Menus” on page. 11).

9.2 Basic Play Operations

While viewing a photo



- Skip to the previous or next photo file by pressing the thumbnails buttons.
- Press the screen PLAY button to View full picture.
- Return to the thumbnails by pressing the middle of screen.

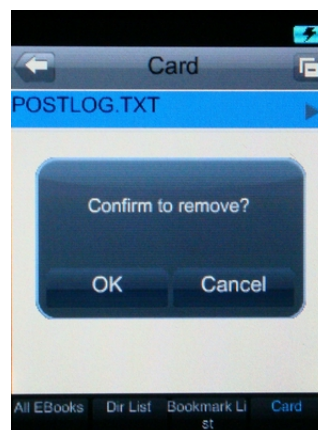



9.3 My Pictures Menu Commands

On the Photos list screen, use the stylus to click file button.

This will pop up a dialog box for remove of file

Remove will delete the file



Press the  button on the screen to return to the Mode Selector

10.0 Shooting Photographs

10.1 Entering Camera Mode

Use the Mode Selector to select the Camera mode. (See “Understanding and Navigating Menus” on page. 11.)



10.2 Basic Photo Shooting Operations

Use the display as a **viewfinder**.

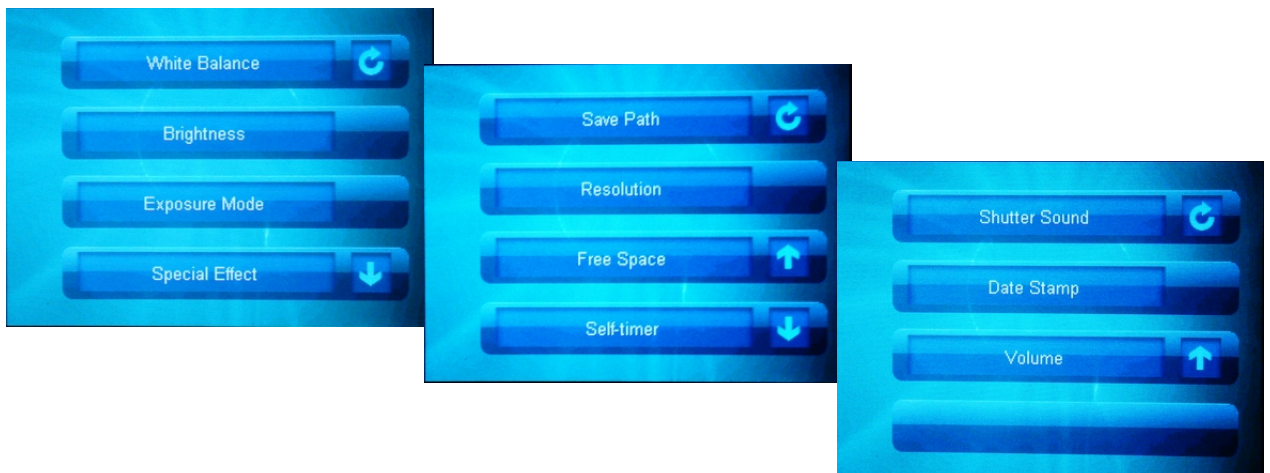
Snap a photo by pressing the CAMERA button (Pictures are automatically saved).

Once you've taken one or more photos, press the EXIT button to return to the Mode Selector.

To **view your photos**, enter Photos mode where you'll find your photos in the *CAMERA* folder.

10.3 Camera Menu Commands

Use the stylus or finger to **double click** the middle of the screen to **access the camera menu (press the Down Arrow for more options):**



The following settings will be available:

- **White Balance** sets the white balance for photos taken indoors or outdoors. Select *Auto* to let the camera set the best option automatically. This setting displays a preview of options.
- **Brightness** allows you to darken or lighten subsequent photos on a scale of (-3) to +3. This setting displays a preview of options.
- **Exposure Mode** sets the exposure for bright outdoor photos or darker indoor photos. Select *Auto* to let the camera set the best option automatically. This setting displays a preview of options.
- **Special Effect** allows you optionally set one of three special effects: negative, sepia (to give photos that “old fashion” look), and black and white. This setting displays a preview of options.
- **Save Path** allows you to choose whether to save photos to internal memory or the microSD card (if you are using one).
- **Resolution** allows you to select one of many resolutions. Higher resolution photos produce higher quality images, but take up more storage space & Saving time.
- **Free Space** displays the available storage space of the configured *Save Path*.
- **Self-timer** allows you to optionally set a delay of 5-20 seconds between the time the shutter button is pressed and the camera actually takes the photograph.
- **Shutter Sound** allows you to select one of three shutter sound effects that are played when you press the shutter button. You can also disable the shutter sound.
- **Date Stamp** sets whether a red-lettered date stamp is superimposed on the bottom-right corner of subsequent photographs. If so, you can choose whether the stamp includes the date and time, or just the date.

11.0 Recording Video

11.1 Entering DV Mode

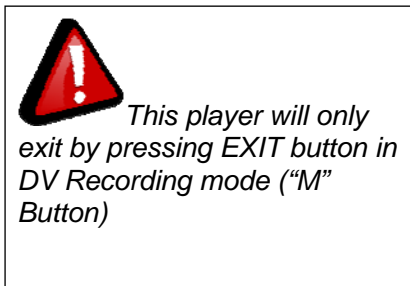
Use the Mode Selector to enter DV mode. (See “Understanding and Navigating Menus” on pg. 11.)



11.2 Basic Video Shooting Operations

Use the display as a **viewfinder**.

Begin **recording** by pressing the CAMERA button. End a recording by pressing the CAMERA button again. Your videos will be saved to the VIDEO folder.

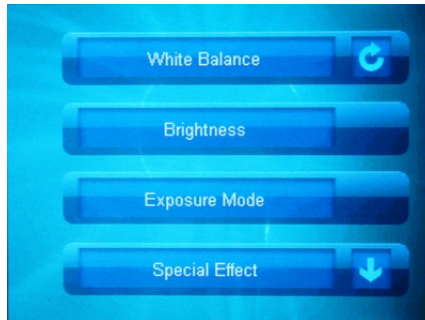


Once you've finished a recording, you can return to the Mode Selector by pressing the EXIT button.

To view your video recordings, enter Videos mode where you'll find your recordings in the file list. The files are named using the digits of the date and time. If, for example, you recorded a video on January 5, 2010 at 7 seconds after 6:05pm, then the filename would be *20100105180507.avi*.

11.3 The DV Menu

To display the DV menu, double click the middle of the screen in DV mode. The settings are the same as the in the Camera Mode menu as described on “Camera Menu Commands” on page. 21, except for one addition setting: *Record Quality* allows you to choose one of three quality presets.



12.0 Recording Audio

12.1 Entering Recorder Mode

Use the Mode Selector to enter Recorder mode which will immediately display the Recorder Mode menu.



12.2 Basic Recorder Operations

Set **record options** by selecting *Rec Type* from the recorder screen



(See “Understanding and Navigating Menus” on pg. 11 for details on navigating menus). Set your recording options before recording files. Press the WAV/MP3 button to switch between the file formats WAV files are not compressed, thus they produce high fidelity recordings, but require a lot of storage space. MP3 encoding is “lossy”, so MP3 recording are not as high-fidelity as WAV. Nevertheless, they can sound excellent (depending on the recording bitrate) and they require *significantly* less storage space.

After selecting a file format, you can choose a bitrate at which to record your audio. Like high photo resolution, higher bitrates produce higher quality audio, but also require more storage space. Press the bitrate information on the top right of the screen to change the bitrate level.

These are the basic recording operations:

- To **record**, use the stylus to press the REC screen button. As you record, the display will show (a) the name of the file under which the recording will be saved, (b) the elapsed time of the current recording, (c) a countdown timer that indicates how much recording time is possible, based on available storage space, and (d) a recording-in-progress indicator.
- To **pause** a recording, press the PLAY/PAUSE button.
- To **stop recording**, press the Stop button on the screen.
- Once the recording ends, you can **create another recording** by pressing the PLAY button.

To listen to the recorded file: Once voice has been recorded, go to the Mode Selector to enter Music mode, and select *Record List* for a list of your wav recordings.



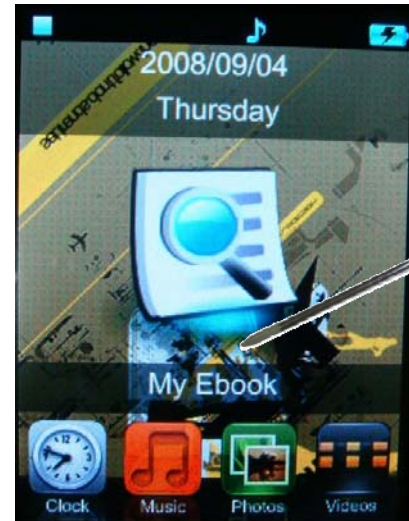
To return to the Recorder Menu, press the button or press EXIT button to return to the Mode Selector.



13.0 E-Book Operations

13.1 Entering E-Book Mode

Use the Mode Selector to enter My E-Book mode. Use the stylus to browse the list of texts and double click to select a text for viewing.




13.2 Basic E-Book Operations

While viewing a text, a **status bar** at the top of the display will indicate what page you're viewing, and the total number of pages. It will also indicate whether the scrolling will be done manually ("Auto Mode") or automatically ("Auto Mode"). Scrolling is done a page at a time.

You can **manually scroll** through a text with the stylus.

You can have the player **automatically scroll** through a text by pressing the  to change the number of seconds between each page turn.

13.3 E-Book Menu

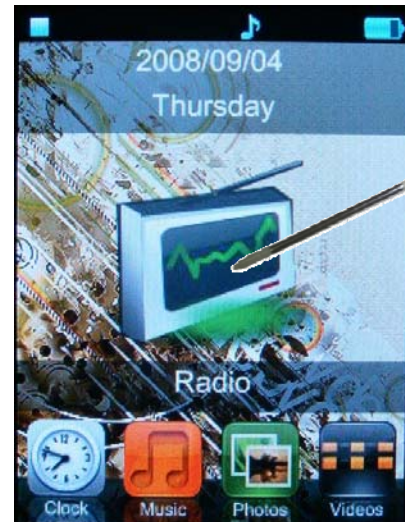
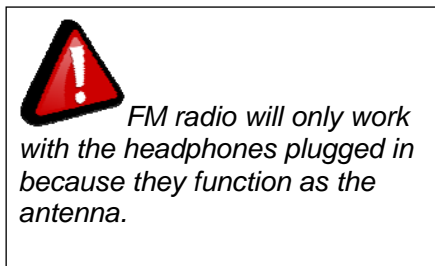
While viewing a text, press the  screen button to display the E-Book menu. From the menu, you can select the following commands:

- **Add To Tag List** to create a bookmark at the current page of the text.

- **Remove** to delete the text.
- **Skip to** which allows you to more quickly advance or back up to a different position within the text.

14.0 Listening to the FM Radio

Use the Mode Selector to enter FM mode.




14.1 Basic Radio Operations




Manual Tuning Use the arrow buttons to tune into a specific frequency.

Volume can be changed by the stylus to control **volume** bar.

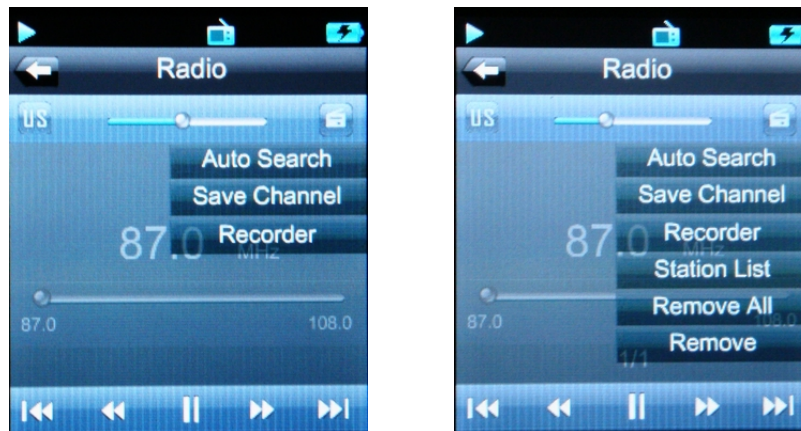
You can **mute** the radio by pressing the PLAY button. Press PLAY again to unmute the radio.

If radio stations have already been saved as **presets**, you can list them by pressing the Radio icon  button. To listen to a preset, use the stylus to press the choice.

Return to the **Mode Selector** by pressing the EXIT button or press the  button on the screen.

14.2 FM Radio Menu

While listening to the radio, **press the Radio button to display the FM radio menu**. Before search, three selections will show up.:



From the after search menu, you can select the following

Auto Search causes the radio to scan all available frequencies and save all stations whose signal is strong as a preset or “channel”.

Save Channel If you are listening to a station that has not been saved as a preset, then select this command to save the station as a preset or “channel”.

Recorder will digitally record the tuned FM broadcast according to the configured *Record Quality*. Press MENU to pause the recording. Press PLAY to stop the recording and save the audio file to the player's MUSIC folder.

Station List displays a list of your presets

Remove All will delete all preset station, and the FM MENU will be changed to default 3 selections

Remove If you are listening to a station that *has* been saved as a preset, you can delete the preset by selecting this command.

Once audio has been recorded, go to the Mode Selector to enter Music mode, and select *Record List* for a list of your MP3-encoded FM recordings. The FM recordings will have filenames beginning with “FM”.



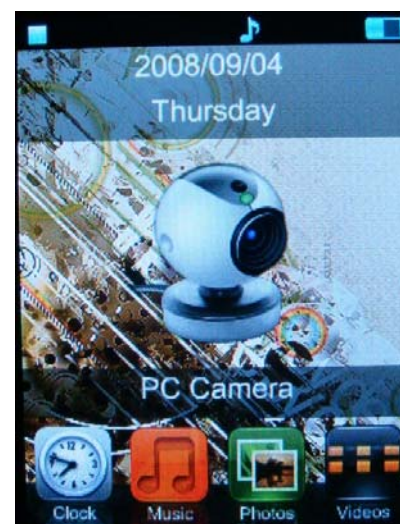
FM Band allows you to configure the radio for use in either Japan or the United States of America. (Icon shows JP and US)

Stop Playing simply turns off the radio without leaving the FM Radio mode.

15.0 PC Camera

15.1 Accessing the PC Camera

Use the Mode Selector to enter the PC Camera mode where you can select the following:



PC Camera The device can be used as a PC camera.

After selecting this tool from the menu, use the USB cable to connect the camera to your computer. In Windows the camera should appear in *My Computer* as a *USB Video Device* which you can use with any webcam-capable programs.



16.0 Device Settings

Use the Mode Selector to enter Settings mode. The following options are available:



About displays technical information about the player.

Language allows you to change the display language. Supported languages are listed under “Technical Specifications” on pg. 36

Main menu style allows you to change Mode Selector from sliding style to small icon

Memory management is a submenu of

- **Format Card:** formats an inserted MicroSD card, and creates the necessary subfolders.

- **Format Memory:** reformats the player's internal memory, and creates the necessary subfolders.

Transition effects are for changing the slideshow picture styles: Fade in and out, Scale, Left to Right and Scale to corner

Display brings you to select *Time* which determines how long the screen saver will show before screen turns off. Note that the device will still be on, but the screen is turned off to save battery power.

Date and Time allows you to adjust the date and time on the device.

Power management is a submenu to set the number of minutes of inactivity before the player turns itself off; or turns off automatically

Screen calibration allows you to set the touch screen precision with the stylus

System restore reboots the player and resume to factory default settings.

17.0 FLASH Games

Use the Mode Selector to enter Flash Games mode. To begin, select games with the stylus in the Flash Games list: double-click to start playing.



To exit Flash Games you MUST use the EXIT button

17.1 Installing New Games

When installing new flash games to play simply plug the player in the computer via the USB connection cable that was provided, and have the window with the game and the window with the player then Drag and Drop the file into the flash folder on the player, and to access the flash games folder go to *Start > My Computer > Removable Disk > Flash*. There are three (3) flash games pre-installed already on the player. In order to add new games you must download the .swf file type of that game. For more information on downloading flash games please check out our website at www.emaitc.us and click on *Game* section (Coming Soon).

17.2 Removing Games

There are two (2) ways to remove games from the player.

1. Connect the player to the computer and go in to the flash folder and delete the games manually.
2. From the flash game menu click the file button - a pop-up will then come up and ask you to confirm that you want to remove this file.

NOTE: Once a file is deleted there is no way to recover it from the player.

17.3 Playing Games

All games that are put on to the player unless otherwise noted are not created for the player and will play differently depending on the game. Please see the games instructions for further detail.

1. Memory Madness – The game is a “Simon Says” type game the colors will light up in a pattern and the player must try and repeat the pattern back.
2. Bowling – Bowling is played by simply pressing the go button and trying to get the power meter in the correct place.
3. Ping Pong – Ping Pong is played with the finger as the paddle. Press your finger on the screen as if it was the actual paddle being used.

Note: All games are subject to either free use and all copyrights are that of their respected owners and modification of these titles is strictly prohibited.



Miscellaneous

18.0 Formatting the Player

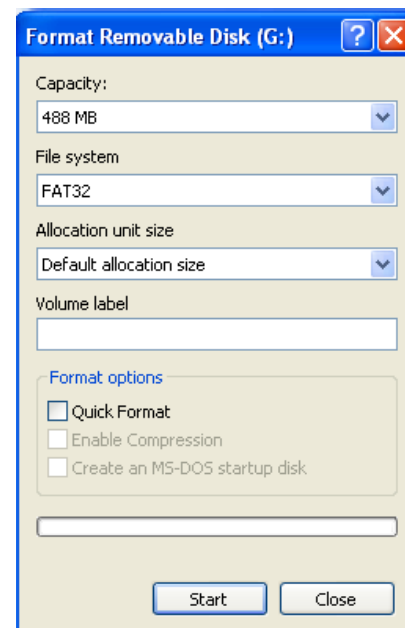
18.1 Understanding File systems

Your player is like a small hard drive of data, and like any such storage device, it has a *file system*. If you wish to reformat the player's file system, you may use any standard formatting tools as long as it is formatted with **FAT32 file system**.

18.2 Reformatting Your Player in Windows

Follow these steps to reformat your player:

1. Connect the player to your computer via the USB cable.
2. Double-click *My Computer*. Find the icon representing the player, which will probably appear as *Removable Disk*.
3. Right-click the player's icon and select *Format*.
4. Make certain the **file system is FAT32**; otherwise the player will not work!
5. Click *Start*.
6. When the Warning message appears, click *OK*. **Once started DO NOT remove the USB cable as this may damage the player!**
7. Once the formatting is complete, you may access the drive through *My Computer*.



19.0 Help


19.1 Troubleshooting

Problem	Possible Reason	Solution
Unit will not turn on	Weak battery	Recharge the battery for 4 hours
	Invalid operation	Switch player off and then on again
Unit spontaneously turns off	Weak battery	Recharge the battery for 4 hours
Player connected by USB, but computer does not recognize the device	USB cable damaged	Replace with a new cable
	USB is disabled in the BIOS	Enable USB functionality in the BIOS
	OS does not support USB	Install or update the OS driver
	Wire wrongly connected	Make sure the cable is firmly connected
	Any issues of the PC	Reboot PC
No sound when playing media	Volume is too low	Turn up the volume
	Wrong audio out device	Set right parameter
	Unsupported file format	Re-encode media in a supported format
	The file is corrupted	Re-copy the file to the player. You may have to re-encode the file.
	Damaged earphones	Use different earphones
	Format failure	Format with a FAT32 file system
Doesn't save: "Save Failure"	Storage full	Delete some files from the player
	Wrong save path	Double-check the destination folder
Wrong language	Wrong language is configured	Change the language in Settings
Songs on player are not in playable list	Songs in the wrong folder	Move all song files to the player's MUSIC folder, or one of its subfolders

19.2 For More Help

- See the FAQ page on our website for information and how-to videos: <http://www.ematic.us>
- Check the Updates section of our website.
- View how-to videos on our website.
- E-mail customer service: customerservice@ematic.com.
You can expect a response within 1-2 business days.

20.0 Technical Specifications

Dimensions	82mm x 52mm x 12.5mm (length x width x thickness)	
Display	Physical dimensions	3" LCD QVGA touch screen
	Resolution	320x240 pixels
USB	USB 2.0	
Memory	Internal file system	FAT32
	Expansion capacity	1GB / 2GB / 4GB (optional)
Record	Format	WAV/MP3
	Length	70 Hours (128MB)
MP3 and WMA	Compress rate	32Kbps – 384Kbps
	Frequency response	20Hz – 20KHz
	Total harmonic distortion	<0.1%
	Signal-to-noise ratio	>85dB
	Audio Power	8mW – 16mW
CMOS Camera	Frame rate	30fps
	Color depth	24bit
	Focus	1x to 2x
 WE AT EMATIC STRIVE TO IMPROVE OUR PRODUCTS. PLEASE VISIT US ON THE WEB AT http://www.ematic.us FOR UPDATES ON SUPPORTED FORMATS	Images	JPG, PNG, GIF, BMP, TIF images that are uncompressed, TIFF images that are compressed via Pack Bits, CCITT Group 3 fax images, and CCITT Group 4 fax images
	Videos	RM, RMVB, AVI, WMV, and FLV videos that have a resolution of 320x240 or smaller.
	Audio	MP3, WAV, and unprotected WMA, OGG, FLAC, and APE. Protected WMA audio files, and M4A/M4P files (any AAC-encoded audio) from iTunes® are not supported.
	E-book	TXT
Operating temperature	-5°C to 40°C	
Menu language	English, Simplified Chinese, Tradition Chinese, Japanese, Korean, French, German, Spanish, Portuguese, Dutch, Italian.	